

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 2002-107694

(43) Date of publication of application : 10.04.2002

(51)Int.Cl. G02F 1/133
G09G 3/20
G09G 3/36

(21)Application number : 2000-293407 (71)Applicant : ADVANCED DISPLAY INC

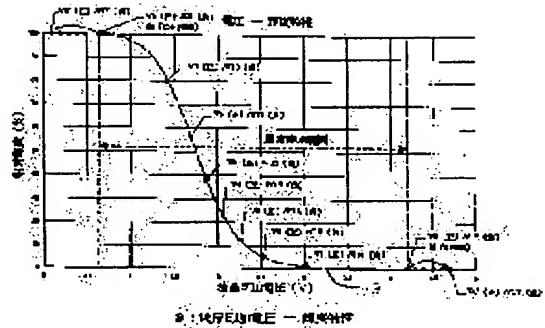
(22)Date of filing : 27.09.2000 (72)Inventor : TASHIRO TOMOHIRO
TAKAHASHI MORIYOSHI
MIYAKE SHIRO

(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To solve the problem that in a conventional liquid crystal display device, it has been impossible to speed up the responsiveness of a liquid crystal because a sufficient correction voltage was not used when a gradation is shifted from a bright half tone toward a gradation close to the saturated gradation.

SOLUTION: The responsiveness of a liquid crystal is speeded up also when a gradation is shifted from half tone to white and black, by forming a reference voltage having a maximum value higher than a maximum value of the liquid crystal application voltage and having a minimum value lower than a minimum value of the liquid crystal application voltage which are used for obtaining a prescribed a liquid crystal application voltage-brightness characteristic 9, forming a correction voltage to speed up the responsiveness of the liquid crystal from this reference voltage by a signal line driving circuit, and supplying it to a display part.



LEGAL STATUS

[Date of request for examination] 22.07.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office